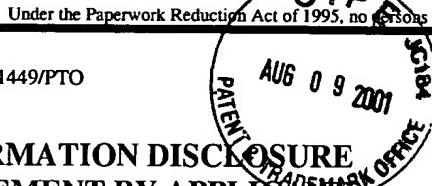


Please type a plus sign (+) inside this box →

O I P



Submitted for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet 1 of 4

Complete if Known

Application Number	09/585,821
Filing Date	June 1, 2000
First Named Inventor	Wilkison et al.
Group Art Unit	1645
Attorney Docket Number	08140.ARTDIV

RECEIVED

AUG 10 2001

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clmns, Lns, Where Relevant Passages/Relevant Figs Appear
		Number	Kind Code (if known)			
S	AA	5,041,138		Vacanti et al.	08/20/1991	
S	AB	5,144,016		Skjak-Braek et al.	09/01/1992	
S	AC	5,486,359		Caplan et al.	01/23/1996	
AS	AD	5,516,532		Atala et al.	05/14/1996	
S	AE	5,536,656		Kemp et al.	07/16/1996	
S	AF	5,709,854		Griffith-Cima et al.	01/20/1998	
S	AG	5,723,331		Tubo et al.	03/03/1998	
S	AH	5,736,372		Vacanti et al.	04/07/1998	
S	AI	5,736,396		Bruder et al.	08/24/1999	
S	AJ	5,741,685		Vacanti	04/21/1998	
S	AK	5,759,830		Vacanti et al.	06/02/1998	
S	AL	5,770,193		Vacanti et al.	06/23/1998	
S	AM	5,770,417		Vacanti et al.	06/23/1998	
S	AN	5,786,207		Katz et al.	07/28/1998	
S	AO	5,804,178		Vacanti et al.	09/08/1998	
S	AP	5,811,094		Caplan et al.	09/22/1998	
S	AQ	5,827,735		Young et al.	10/27/1998	
S	AR	5,855,610		Vacanti et al.	01/05/1999	
S	AS	5,863,531		Naughton et al.	01/26/1999	
S	AT	5,879,940		Torok-Storb et al.	03/09/1999	
S	AU	5,902,741		Purchio et al.	05/11/1999	
S	AV	5,908,784		Johnstone et al.	06/01/1999	
S	AW	5,942,225		Bruder et al.	08/24/1999	
S	AX	5,944,754		Vacanti	08/31/1999	
S	AY	6,027,744		Vacanti et al.	02/22/2000	

Examiner Signature

Date Considered

11/12/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Submitted for form 1449/PTO

AUG 09 2001
PATER
N
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
TECH CENTER 1600/2900

Complete if Known

RECEIVED

09/585,821

June 1, 2000

AUG 10 2001

Wilkison et al.

1645

08140.ARTDIV

Sheet 2 of 4

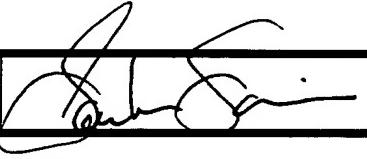
TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clmns, Lns, Where Relevant Passages/Relevant Figs Appear
		Number	Kind Code (if known)			
S	BA	6,030,836		Thiede et al.	02/29/2000	
S	BB	6,103,522		Torok-Storb et al.	08/15/2000	
S	BC	6,123,727		Vacanti et al.	09/26/2000	
S	BD	6,139,574		Vacanti et al.	10/31/2000	
S	BE	6,143,501		Sittinger et al.	11/07/2000	
S	BF	6,153,432		Halvorsen et al.	11/28/2000	
C	BG	6,200,606		Peterson et al.	03/13/2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Date of Publication of Cited Document DD-MM-YYYY	Country	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number	Kind Code ² (if known)				
S	BH	WO	96/02662	A1	01/02/1996	PCT		
S	BI	WO	98/20731	A1	22/05/1998	PCT		
S	BJ	WO	99/28444	A1	10/06/1999	PCT		
S	BK	WO	99/61587	A1	02/12/1999	PCT		
S	BL	WO	99/43286	A2	02/09/1999	PCT		
S	BM	WO	00/44882	A2	03/08/2000	PCT		
S	BO	WO	00/53795	A1	14/09/2000	PCT		
S	BP	WO	01/21767	A2	29/03/2001	PCT		

Examiner Signature		Date Considered	11/12/02
--------------------	---	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Submitted for form 1449/PTO				<i>AUG 09 2001</i> PATENT & TRADEMARK OFFICE	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					
Sheet	3	of	4		
				Complete if Known	
				Application Number	09/585,821
				Filing Date	June 1, 2000
				First Named Inventor	Wilkison <i>et al.</i>
				Group Art Unit	1645
				Attorney Docket Number	08140.ARTDIV

TECH CENTER 1600 P900
AUG 10 2001**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
S	CA	ARNER, "The β_3 -Adrenergic Receptor - A Cause and Cure of Obesity?" <u>New England Journal of Medicine</u> , (1995), 333:382-383	
S	CB	BARHAM <i>et al.</i> , "An Improved Colour Reagent for the Determination Blood Glucose by the Oxidase System," <u>Analyst</u> , (1972) 97:142-145	
S	CC	BECKER <i>et al.</i> , "Use of Recombinant Adenovirus for Metabolic Engineering of Mammalian Cells," <u>Meth Cell Biol</u> , (1994) 43:161-189	
S	CD	DIGBY <i>et al.</i> , "Thiazolidinedione Exposure Increases the Expression of Uncoupling Protein 1 in Cultured Human Preadipocytes," <u>Diabetes</u> , (1998), 47:138-141	
S	CE	DULBECCO <i>et al.</i> , "Plaque Production by the Polyoma Virus," <u>Virology</u> , (1959) 8:396	
S	CF	EARLE, "Production of Malignancy in Vitro. IV. The Mouse Fibroblast Cultures and Changes Seen in the Living Cells," <u>JNCI</u> , (1943), 4:165-169	
S	CG	FELGNER <i>et al.</i> , "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure," <u>Proc Natl Acad Sci USA</u> , (1987), 84:7413-7417	
S	CH	FLIER, "The Adipocyte: Storage Depot or Node on the Energy Information Superhighway?" <u>Cell</u> , (1995), 80:15-18	
S	CI	GREEN <i>et al.</i> , "Sublines of Mouse 3T3 Cells That Accumulate Lipid," <u>Cell</u> , (1974), 1:113-116	
S	CJ	HAM, "An Improved Nutrient solution for Diploid Chinese Hamster and Human Cell Lines," <u>Exp Cell Res.</u> , (1963) 29:515-526	
S	CK	HAUNER <i>et al.</i> , "Promoting Effect of Glucocorticoids on the Differentiation of Human Adipocyte Precursor Cells Cultured in a Chemically Defined Medium," <u>Journal Clin Invest.</u> , (1989) 34:1663-1670	
S	CL	HEYMAN <i>et al.</i> , "9-Cis Retinoic Acid Is a High Affinity Ligand for the Retinoid X Receptor," <u>Cell</u> , (1992), 68:397-406	
S	CM	HOTAMISLIGIL <i>et al.</i> , "Increased Adipose Tissue Expression of Tumor Necrosis Factor- α in Human Obesity and insulin Resistance," <u>J. Clin. Invest.</u> , (1995), 95:2409-2415	
S	CN	LEHMANN <i>et al.</i> , "An Antidiabetic Thiazolidinedione Is a High Affinity Ligand for Peroxisome Proliferator-activated Receptor γ (PPAR γ)*," <u>J. Biological Chemistry</u> , (1995), 270:12953-12956	

Examiner Signature		Date Considered	11/12/02
--------------------	---	-----------------	----------

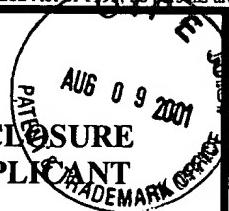
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Submitted for form 1449/PTO

*Complete if Known*

Application Number	09/585,821
Filing Date	June 1, 2000
First Named Inventor	Wilkison et al.
Group Art Unit	1645

Sheet 4 of 4 Attorney Docket Number 08140.ARTDIV

TECH CENTER 1600 2900 AUG 10 2001

RECEIVED

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
S	DA	MEUNIER-DURMONT et al., "Efficient transfer of regulated genes in adipocytes and hepatoma cells by the combination of liposomes and replication-deficient adenovirus," <u>Eur Jour Biochem</u> , (1996), 237:660-667	
S	DB	MORTON, "A Survey of Commercially Available Tissue Culture Media," <u>In Vitro</u> , (1970) 6:89-108	
S	DC	NOLAN et al., "Improvement in Glucose tolerance and Insulin Resistance in Obese Subjects Treated with Troglitazone," <u>New England Journal of Medicine</u> , (1994) 331:1188-1193	
S	DD	PELLEYMOUNTER et al., "Effects of the obese Gene Product on Body Weight Regulation in ob/ob Mice," <u>Science</u> , (1995), 269:540-543	
S	DE	RODBELL et al., "[7] Preparation of Isolated Fat Cells and Fat Cell "Ghosts": Methods for Assaying Adenylate Cyclase Activity and Levels of Cyclic AMP," <u>Biol Chem</u> , (1967) 81:104-114	
S	DF	RODBELL, "Metabolism of Isolated Fat Cells v. Preparation of "Ghosts" and their Properties; Adenyl Cyclase and Other Enzymes," <u>Journal of Biol Chem.</u> , (1967) 242:5744-5750	
S	DG	SALTIEL et al., "Perspectives in Diabetes - Thiazolidinediones in the Treatment of Insulin Resistance and Type II Diabetes," <u>Diabetes</u> , (1996), 45:1661-1669	
S	DH	SMITH et al., "The Nucleic acid of Polyoma Virus," <u>Virology</u> , (1960) 12:185-196	
S	DI	SREENAN et al., "Prevention of hyperglycemia in the Zucker diabetic fatty rat by treatment with metformin or troglitazone," <u>American Journal Physiol</u> , (1996), 271:E742-E747	
S	DJ	TONTONZOZ et al., "Stimulation of Adipogenesis in Fibroblasts by PPAR γ 2, a Lipid-Activated Transcription Factor," <u>Cell</u> , (1994), 79:1147-1156	
S	DK	WIGLER et al., "Transfer of Purified Herpes Virus Thymidine Kinase Gene to cultured Mouse Cells," <u>Cell</u> , (1977), 11:223-232	
S	DL	ZHANG et al., "Positional cloning of the mouse <i>obese</i> gene and its human homologue," <u>Nature</u> , (1994) 372:425-432	

Examiner Signature		Date Considered	11/12/02
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.